

WHAT IS CLAIMED:

1. A method of managing a memory device having a memory area and a controller for controlling data writing in the memory area, the method comprising:

    · sending to the controller a size of data to be written into the memory area; and  
    estimating, by using the controller, a length of time to be required for writing the data into the memory area on a basis of the size of the data and conditions of the memory area.

2. The method as claimed in claim 1, further comprising, after said estimating a length of time, estimating electric power required for writing the data on a basis of the length of time.

3. The method as claimed in claim 2 further comprising, after said estimating electric power, checking whether the data can be written into the memory area by using available electric power.

4. The method as claimed in claim 1, further comprising, after said estimating a length of time, checking, by using the length of time, whether there is a malfunction of the memory device.